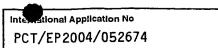
INTERNATIONAL SEARCH REPORT

ational Application No PCT/EP2004/052674

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01J2/04 F25C1/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) B01J F25C IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category ° Citation of document, with indication, where appropriate, of the relevant passages . 1-22 Υ WO 03/008082 A (BRADFORD PARTICLE DESIGN LTD; KORDIKOWSKI, ANDREAS; PALAKODATY, SRINIV) 30 January 2003 (2003-01-30) page 4, line 18 - page 5, line 7 page 5, line 16 - line 18 page 8, line 6 - line 12 page 10, line 15 - line 27 page 11, line 21 - page 12, line 8 page 20, line 10 - page 21, line 13; figures 2-4 1-22 EP 1 027 144 B (MESSER GRIESHEIM GMBH) Υ 16 August 2000 (2000-08-16) cited in the application paragraphs '0008! - '0010! Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance Invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or document published prior to the International filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 07/03/2005 28 February 2005 Name and mailing address of the ISA Authorized officer European Palent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Cubas Alcaraz, J

Fax: (+31-70) 340-3016

INTERNATIONAL SEARCH REPORT



	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/56439 A (CARLFORS, JOHAN; GHADERI, RAOUF) 28 September 2000 (2000-09-28) page 9, line 11 - page 12, line 24; figure 1	1-22
Α	US 5 043 280 A (FISCHER ET AL) 27 August 1991 (1991-08-27) column 4, line 11 - line 17; claim 1	1-22
		*

INTERNATIONAL SEARCH REPORT Information on patent family members

International Application No PCT/EP2004/052674

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03008082	A	30-01-2003	CA EP WO GB JP MX TW US AU CA EP WO GB	2454331 A1 1409123 A1 03008082 A1	, B	30-01-2003 21-04-2004 30-01-2003 30-04-2003 18-11-2004 18-03-2004 11-05-2004 12-06-2003 03-11-2003 30-10-2003 19-01-2005 30-10-2003
EP 1027144	В	16-08-2000	DE AT BR CA DE WO EP ES HU PL US	2003223939 A1 19748069 A1		04-12-2003
WO 0056439	A	28-09-2000	AU WO SE	4157800 A 0056439 A1 9901059 A	l	09-10-2000 28-09-2000 23-09-2000
US 5043280	A	27-08-1991	DE AT DE EP ES JP JP	3744329 A1 88887 T 3880808 D1 0322687 A2 2056890 T3 2004439 A 2818174 B2	l 2 3	06-07-1989 15-05-1993 09-06-1993 05-07-1989 16-10-1994 09-01-1990 30-10-1998